Aztek Engineering, Inc.

AZTEK'S P-PHONE SOLUTION

The fast track to EBS transport

INTRODUCTION

The P-Phone service offering from Nortel is formally known as Meridian Electronic Business Services (EBS). The P-Phone service consists of

- An Electronic Key Telephone Set (EKTS), the P-Phone instrument
- A set of advanced business services residing on a DMS-series switch
- A signaling protocol that allows for seamless integration of the set and the services

The P-Phone services allow a business customer to have access to all of the EKTS features that would be available if a Meridian PABX were physically located on the customer's premises while economically exploiting the installed base of the Digital Multiplex System (DMS) switches. This is a very popular service for incumbent and competitive carriers. Nortel has recently discontinued its product line of access products that natively support P-Phone. The popularity of the service along with Nortel's exit from the access business have increased the demand from all other access system providers to provide transport for P-Phone.

CUSTOMER BENEFITS

The Aztek P-Phone solution allows Digital Loop Carrier system providers to easily add transport for P-Phone services to their system. Adding P-Phone transport will allow these systems to provide a wider range of services to their customers.

COMPREHENSIVE SOLUTION

Aztek's P-Phone solution includes a reference hardware design for the generation and detection of the P-Phone signaling. The solution also includes circuit descriptions, design notes, and characterization of the design. Low-level software drivers for the hardware and for the software that handles the additional signaling delays encountered in a DLC are also included in the solution. All of these components have been field proven to work in real world designs. Aztek is also able to provide the TMC and EOC software modifications required to support P-Phone over a GR-303 interface.

ABOUT AZTEK ENGINEERING

Aztek Engineering is a leading developer of enabling technologies for the Access Network. Telecommunication equipment suppliers in countries around the world look to Aztek Engineering for technologies such as network interfaces, DSP algorithms, line interfaces, and compliance test systems.

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